

Amendments to the Claims:

Please cancel claims 1 to 9 as presented in the underlying International Application No. PCT/EP2004/006918.

Please add new claims 10 to 20 as indicated in the listing of claims below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 to 9 (canceled).

Claim 10 (new): A device for determining an ametropia of an optical system, comprising:
a controllable optical element having a plurality of optical properties; and
a measurement and control unit forming a closed-loop control circuit with the controllable optical element, wherein the controllable optical element is configured to permit manual modification of at least one of the plurality of optical properties.

Claim 11 (new): The device according to claim 10, wherein the optical system includes a human eye.

Claim 12 (new): The device according to claim 11, wherein the optical system also includes an artificial visual aid.

Claim 13 (new): The device according to claim 10, wherein the controllable optical element includes at least one of a controllable phoropter and an optometer with an astigmometer.

Claim 14 (new): The device according to claim 10, wherein the measurement and control unit includes at least one of an automatic refractometer and an aberrometer.

Claim 15 (new): The device according to claim 13, wherein the controllable phoropter includes a plurality of phase plates.

Claim 16 (new): The device according to claim 10, further comprising a treatment laser having a treatment beam path and wherein the treatment beam path is reflected into a beam path of the device.

Claim 17 (new): A method for determining an ametropia of an optical system, the method comprising:

adjusting a controllable optical element using a measurement and control unit so as to compensate the ametropia.

Claim 18 (new): The method as recited in claim 17, further comprising operatively connecting the controllable optical element and the measurement and control unit so as to form a closed loop system.

Claim 19 (new): The method as recited in claim 17, further comprising:

further adjusting the controllable optical element manually so as to achieve a subjectively optimum compensation of the ametropia.

Claim 20 (new): The method as recited in claim 18, wherein the optical system includes an eye of a patient and wherein the further adjusting is performed by the patient.